

U.S. EPA CERCLA SECTION 104(e) INFORMATION REQUEST QUESTIONS and RESPONSES

Site: Lower Duwamish Waterway Superfund Site (LDW), Seattle, WA

DERP-FUDS Site Number F10WA05360, Isaacson Iron Works Plant No. 2, Seattle, WA

1. Respondent Information

a. Provide the full legal name and mailing address of the Respondent.

Colonel Anthony Wright
District Commander, USACE Seattle District
P.O. Box 3755
Seattle, WA 98124

b. For each person answering these questions on behalf of Respondent, provide:

- i. full name;**
- ii. title;**
- iii. business address; and**
- iv. business telephone number and FAX machine number.**

The information requested for each of the persons responsible for answering these questions is provided under separate cover for personal privacy purposes.

c. If Respondent wishes to designate an individual for all future correspondence concerning this matter, please indicate here by providing that individual's name, address, telephone number and fax number.

Colonel Anthony Wright
District Commander, USACE Seattle District
P.O. Box 3755
Seattle, WA 98124
Tel: 206-764-3690
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d. State the dates during which the Department of Defense (DOD) held any property interests at or within one-half mile of the FUDS.

DOD held property interests at or within one-half mile of the FUDS from 1941 to 1961. See the documents referenced in our response to Question 1.e. below.

e. State the dates during which DOD conducted any activities at or within one-half mile of the FUDS.



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Between 1941 and 1961, DOD may have conducted activities at or within one-half mile of the FUDS. During this time period, the property was a GOCO (Government owned, Contractor operated), managed and run by the Isaacson Iron Works Company. A March 5, 1992 DERP-FUDS worksheet indicates that U.S. Navy's "period of utilization" of the FUDS ranged from 1942 to 1948, after which time the facility was never declared surplus to the War Assets Administration and was retained by the U.S. Navy, but leased to Isaacson until 1961. On March 3, 1961, the 12.5-acre FUDS, and all improvements, were sold to Isaacson Iron Works.

See the following documents available on the CD provided with this response:

- DERP-FUDS memorandum, dated July 13, 1995, from USACE North Pacific Division to Seattle District USACE.
- DERP-FUDS site screening process work sheet, dated March 5, 1992.
- Letter from Thirteenth Naval District Public Works Department to Manufacturers Assoc. of Washington, dated February 12, 1948, re: lease offer of Isaacson Iron Works Plant No. 2.

f. Describe the nature of DOD's activities at the FUDS or within one-half mile of the FUDS.

DOD's activities at or within one-half mile of the FUDS includes the following:

- Isaacson Iron Works Plant No. 2 (also known as the Naval Reserve Industrial Facility) was a GOCO, and was managed and run by the private company, Isaacson Iron Works. This plant was constructed as a steel forge plant (for the manufacturing, treating and machining of heavy equipment for the Navy, such as propeller shafts for liberty ships), with followed use by a GOCO lessee to produce ingots from scrap metal for foreign shipment.
- At acquisition, the property was undeveloped and the Navy financed construction of a forge, heat treating plant, craneway, power plant, railways, machine and erection shop, and administrative and support facilities. At the peak of capacity occurring sometime before 1952, 8 tail shafts per 8-hr shift were produced, with 800 people employed. Despite the 1942-1948 "period of utilization" by the Navy, this property remained a GOCO managed and run by Isaacson until 1961. On March 3, 1961, 12.5 acres and all improvements were sold to Isaacson Iron Works. In 1965, the Jorgensen Steel Company acquired the North portion of Isaacson Iron Works (previously Isaacson Iron Plant No. 2).

See the following documents available on the CD provided with this response:

- Property Information Sheet, Isaacson Iron Works Plant No. 2, current through Sep 30, 2010.

- DERP-FUDS memorandum, dated July 13, 1995, from USACE North Pacific Division to Seattle District USACE.
- Letter from David T. Young, Real Estate Appraisers to Chief of the Bureau of Yards and Docks, Navy Dept., Washington D.C., dated February 24, 1952, re: appraisal report for Isaacson Iron Works Plant No. 2.
- Figures dated 1940, 1970, and 1960, respectively, depicting aerial photographs of various sites in LDW area, including Isaacson Steel.
- Appraisal Map, dated Feb 1952, depicting Isaacson Iron Works Plant No. 2.
- Telephone/verbal conversation record dated March 9, 1995, re: property description of Isaacson Iron Works Plant No. 2, between D. Wigle (USACE, Seattle District) and L. Linne (Jorgensen Forge).
- DERP-FUDS site screening process work sheet, dated March 5, 1992.
- Letter from Thirteenth Naval District Public Works Department to Manufacturers Assoc. of Washington, dated February 12, 1948, re: lease offer of Isaacson Iron Works Plant No. 2.

g. In relation to your answer to the previous question, identify all materials used or created by DOD's activities at the FUDS, including raw materials, commercial products, building debris, and other wastes.

In relation to our answer to 1.f., above, all known materials used or created by DOD's activities at the FUDS consists of: construction materials and other materials associated with use of forge, heat treating plant, craneway, power plant, railways, machine and erection shop, admin and support facilities. Specifically, the structures include: a gas station, main office (2 story steel wood frame, 50'x 95'), laboratory (1 story 50'x 52'), powerhouse (43'x123' with a 17'x 83' lean to), oxygen and acetylene building (17'x51'), forge (80'x 452'), heat treating shop (81'x 392'), machine shop (242'x 220'), erection shop (60'x 392'), melt shop (80'x 440'), cafeteria (50'x 63'), woman's locker /washroom (26'x 58'), maintenance shop (34'x 82'), and oil storage house (25'x 31'). All of these buildings were built between 1942 and 1943. Since the purpose of the facility was to serve as a steel forge plant, and later an ingot production facility, presumably metal materials related to such production processes were present on site. Activity descriptions suggest that the melt plant had a claimed total capacity of 10,000 tons per month, with a normal practicable production in the neighborhood of 3,000 tons per month. These descriptions suggest that raw materials related to this capacity may have been used by the GOCO during the time of the Navy's association with the FUDS.

See the following documents available on the CD provided with this response:

- Map, dated June 30, 1951, depicting Naval Industrial Reserve Facility, Isaacson Iron Works Plant No. 2.
- Letter from David T. Young, Real Estate Appraisers to Chief of the Bureau of Yards and Docks, Navy Dept., Washington D.C., dated

February 24, 1952, re: appraisal report for Isaacson Iron Works Plant No. 2.

- Letter from Thirteenth Naval District Public Works Department to Manufacturers Assoc. of Washington, dated February 12, 1948, re: lease offer of Isaacson Iron Works Plant No. 2.
- Blueprints, dated March 13, 1943, plot plan depicting Isaacson Iron Works.
- Blueprint, dated Nov. 7, 1941, depicting shafting production plant facilities arrangement of Isaacson Iron Works.
- Appraisal Map, dated Feb 1952, depicting Isaacson Iron Works Plant No. 2.

2. Site Activities and Interests

- a. Provide all documents in your possession or accessible to you regarding the ownership of the FUDS before, during and after DOD control, including, but not limited to, copies of deeds, sales contracts, leases, blueprints, “as-builts” and photographs.**

There are no documents in DOD’s possession or accessible by us which show showing ownership or other real estate interests by DOD for the FUDS.

- b. Provide all documents in your possession or accessible to you regarding environmental conditions at the FUDS before, during and after the relevant time period (see Definitions). “Environmental conditions” includes information relating to soil, sediment, water (ground and surface), and air quality. This may include, but not be limited to:**

- i. Any spill, leak, release or discharge of a hazardous substance, waste, or material at or near the FUDS;**

There is no documentation in the possession and control of the DOD regarding any spill, leak, release or discharge of a hazardous substance, waste, or material at or near the FUDS.

- ii. Occurrences of violations, citations, deficiencies, and/or accidents concerning the FUDS;**

There is no documentation in the possession and control of the DOD indicating occurrences of violations, citations, deficiencies, and /or accidents concerning the FUDS.

- iii. Remediation or removal of contaminated soils, sediments, or other media at the FUDS; and**

The western edge of the property associated with the former Isaacson Iron Works Plant No. 2 is situated along the Duwamish River. No information or documentation exists in DOD's possession and control regarding remediation or removal of contaminated soils, sediments, or other media at the FUDS following acquisition in 1941. Areal photographs taken over the period of ownership including a pre-construction photo taken in 1940, and another in 1944 following construction show changes in the river boundary near the property which could suggest dredging or fill activities may have occurred within the area. However, most significant river boundary changes, as seen in areal photographs, appear to have occurred within two adjoining slips, one north and one south of the property of interest. The privately-owned southern portion of the Isaacson Iron Works property, which was never a GOCO, is located on a portion of the waterway previously designated as Slip 5.

See the following documents available on the CD provided with this response:

- Photographs, dated March 6, 1944, depicting Isaacson Iron Works buildings and an aerial oblique from west of the site.
- Photograph, unknown date, depicting Isaacson Iron Works facilities.
- Figures dated 1940, 1970, and 1960, respectively, depicting aerial photographs of various sites in LDW area, including Isaacson Steel.

iv. Investigations, inspections, sampling, and any associated reports regarding the FUDS and surrounding area.

Documentation in the possession and control of the DOD regarding investigations, inspections, sampling and any associated reports regarding the FUDS and surrounding area is limited to: areal and site photographs taken periodically since 1940; a lease offering dated Feb 12, 1948, from the Public Works Department; follow-up correspondence regarding property negotiations with Real Estate Consultant E. J. Ellingson on August 20, 1948; a real estate appraisal dated February 24, 1952; a record of conversation between David Wigle (COE Seattle) and Lee Linna (Jorgensen Forge Office) dated March 8, 1995; and a site investigation conducted on April 11, 1995. Photographs illustrate changes in construction and river boundary since 1940, as described in our response to 2.b.iii., above.

The February 12, 1948 lease offering from the Public Works Department describes a small frontage on the Duwamish River with a navigable depth to Puget Sound, and listed the buildings existing in the plant area. The August 20, 1948 follow-up correspondence revealed a flood had occurred sometime between the lease offering on February 12, 1948 and the date of

the follow-up, August 20, 1948. This flood caused a “considerable change in the physical condition of the real estate property as extensive damage was done.” At that time, considerable work was being done to rehabilitate the flood damage. A real estate appraisal, dated February 24, 1952, by David T. Young, systematically describes structures, features, water, electrical, and some chemical connections between buildings. The March 8, 1995 record of conversation, described above, states that Jorgensen acquired the northern portion of the Isaacson Iron Plant (former Isaacson Iron Plant No. 2) in 1965, including forge facilities and buildings. This record stated that to best of Jorgensen’s knowledge, no former Navy buildings had been abandoned and all known USTs had been removed or remediated (e.g., gas station) with exception of one UST that was still in use for heating the COE Seattle District building.

At a site visit conducted by COE Seattle employees, David Wigle and Joe Marsh on April 11, 1995, and Jorgensen’s Lee Linna again spoke with them. Wigle and Marsh determined that there were no DOD caused hazards reported or identified at the site. Based on this finding, on July 13, 1995, Seattle District’s Acting Commander approved the determination of no further action (NOFA) for the FUDS.

See the following documents available on the CD provided with this response:

- DERP-FUDS memorandum, dated July 13, 1995, from USACE North Pacific Division to Seattle District USACE.
- Map, dated June 30, 1951, depicting Naval Industrial Reserve Facility, Isaacson Iron Works Plant No. 2.
- Photograph, unknown date, depicting Isaacson Iron Works facilities.
- Figures dated 1940, 1970, and 1960, respectively, depicting aerial photographs of various sites in LDW area, including Isaacson Steel.
- Letter from David T. Young, Real Estate Appraisers to Chief of the Bureau of Yards and Docks, Navy Dept., Washington D.C., dated February 24, 1952, re: appraisal report for Isaacson Iron Works Plant No. 2.
- Telephone/verbal conversation record dated March 9, 1995, re: property description of Isaacson Iron Works Plant No. 2, between D. Wigle (USACE, Seattle District) and L. Linne (Jorgensen Forge).
- Letter from Thirteenth Naval District Public Works Department to Manufacturers Assoc. of Washington, dated February 12, 1948, re: lease offer of Isaacson Iron Works Plant No. 2.
- Letter, dated Aug. 20, 1948, from E.J. Ellingson, Real Estate Consultant to Chief Industrial Division ORPD, War Assets

Admin., Seattle, WA, re: appraisal of Commercial Iron Works property.

- Photographs, dated March 6, 1944, depicting Isaacson Iron Works buildings and an aerial oblique from west of the site.

- c. **Provide information on the condition of the FUDS when purchased or at the beginning of the relevant time period; describe the source, volume, and content of any fill material used during the construction of the buildings, including waterside structures such as seawalls, wharves, docks or marine ways. Additionally, describe any subsequent improvements, alteration, demolitions or additions to the physical structures or the property itself.**

Limited information is available on the condition of the FUDS when purchased or at the beginning of the relevant time period. As previously noted, the western edge of the property associated with the former Isaacson Iron Works Plant No. 2 is situated along the Duwamish River, and was acquired in 1941. There is no documentation available in the control or possession of DOD regarding the volume or content of any fill material used during construction of the buildings at the FUDS. Aerial photographs taken over the period of ownership, including a pre-construction photograph taken in 1940, and another in 1944 following construction, show changes in the river boundary near the property, which suggests dredging activities or potential fill could have occurred within the area. However, as mentioned in our response to 2.b.iii., above, most significant river boundary changes as seen in aerial photos appear to have occurred within two adjacent slips, one north and one south of the property. Information regarding a wooden bulkhead and concrete retaining wall associated with Isaacson Iron Works Plant No. 2 in March of 1943 (before the southern Slip 5 was filled in) is included with the corresponding documents in response to this question, available on the CD provided with this response. Also, see our answer to 1.g., above, and related documents provided on the CD related to the response to this question for additional information regarding construction activities that occurred on the FUDS.

See the following documents available on the CD provided with this response:

- Photographs, dated March 6, 1944, depicting Isaacson Iron Works buildings and an aerial oblique from west of the site.
- Photograph, unknown date, depicting Isaacson Iron Works facilities.
- Figures dated 1940, 1970, and 1960, respectively, depicting aerial photographs of various sites in LDW area, including Isaacson Steel.
- Blueprints, dated March 13, 1943, plot plan depicting Isaacson Iron Works.

- d. Provide a brief summary of the activities conducted at the FUDS while under DOD's ownership or operation. Include any diagrams or charts of the activities conducted.**

The Isaacson Iron Works Plant No. 2 (also known as the Naval Reserve Industrial Facility) was Government Owned, Contractor Operated (GOCO), and was managed and run by the private company Isaacson Iron Works. This property was acquired in the 1940's by the U.S. Navy and included 12.5 acres, of which the western edge bordered the Duwamish River. Isaacson Iron Works Plant No. 2 was constructed as a steel forge plant (for the manufacturing, treating, and machining of heavy equipment for the Navy, such as propeller shafts for liberty ships), with followed use by a GOCO lessee to form ingots from scrap metal for foreign shipment. At acquisition, the property was undeveloped and the Navy financed construction of a forge, heat treating plant, craneway, power plant, railways, a machine and erection shop, and administrative and support facilities. At peak of capacity, occurring sometime before 1952, the plant produced 8 tail shafts per 8-hr shift, with 800 people employed. By 1952, the number of people employed at the plant had dropped to 350. The melt plant had a claimed total capacity of 10,000 tons per month, with normal practicable production in the neighborhood of 3,000 tons per month.

See the following documents available on the CD provided with this response:

- Property Information Sheet, Isaacson Iron Works Plant No. 2, current through Sep 30, 2010.
- DERP-FUDS memorandum, dated July 13, 1995, from USACE North Pacific Division to Seattle District USACE.
- Letter from David T. Young, Real Estate Appraisers to Chief of the Bureau of Yards and Docks, Navy Dept., Washington D.C., dated February 24, 1952, re: appraisal report for Isaacson Iron Works Plant No. 2.
- Appraisal Map, dated Feb 1952, depicting Isaacson Iron Works Plant No. 2.

- e. Provide all documents pertaining to sale, transfer, delivery, or disposal, of any hazardous substances, scrap materials, and/or recyclable materials at or to the FUDS.**

There is no documentation in the possession and control of the DOD pertaining to sale, transfer, delivery, or disposal, of any hazardous substances, scrap materials, and/or recyclable materials at or near to the FUDS.

- f. Provide all information or electrical equipment used at the FUDS, including transformers or other electrical equipment that may have contained polychlorinated biphenyls (PCBs).**

The extent of electrical equipment used at the FUDS including, but not limited to transformers, is as follows:

- Map showing the location of power poles and yard lights.
- Property appraisal, dated February 24, 1952, describing a three-story reinforced concrete transformer vault on the south side of the melt shop housing transformers, circuit breakers, and control equipment for electrical furnaces. The appraisal also stated that power and light service was brought into the melt shop through a transformer bank on the outside of the west end of building, and included three (city owned) 100 KVA transformers, and three 50 KVA transformers. The power was brought in at 26 KV and transferred to 480 V 3 phase, 60 cycles, through three transformers and then to the main power distribution panel, whereas the light service power was brought in at 4.3 KV through three transformers to a main lighting panel that supplied 120/208 V 40 wire service. Direct current from overhead bridge cranes was supplied from a rectifier located in the powerhouse.
- Incomplete photocopies of a map, dated February 2, 1952 (original not available), detailing additional yard lights on wood poles (7 lights) and yard lights on buildings or structures (8 lights).
- Undated photographs showing areas with high voltage signs, and unidentified electrical equipment.

See the following documents available on the CD provided with this response:

- Map, dated June 30, 1951, depicting Naval Industrial Reserve Facility, Isaacson Iron Works Plant No. 2.
- Letter from David T. Young, Real Estate Appraisers to Chief of the Bureau of Yards and Docks, Navy Dept., Washington D.C., dated February 24, 1952, re: appraisal report for Isaacson Iron Works Plant No. 2.
- Letter from Thirteenth Naval District Public Works Department to Manufacturers Assoc. of Washington, dated February 12, 1948, re: lease offer of Isaacson Iron Works Plant No. 2.
- Appraisal Map, dated Feb 1952, depicting Isaacson Iron Works Plant No. 2.
- Photographs of FUDS site; date unknown.

g. Provide information on the type(s) of oils or fluids used for lubrication of machinery or other industrial purposes, and any other chemicals or products which are or may contain hazardous substances which are or were used at the FUDS for facility operations.

There is no documentation in the possession and control of the DOD on the type(s) of oils or fluids used for lubrication of machinery or other industrial purposes at the FUDS for facility operations. There is limited documentation

regarding the presence of any other chemicals or products which may have contained hazardous substances for FUDS facility operations, including or relating to the following items:

- Map showing the location of gas pumps, oil storage, oil house, transformer station, and oxygen acetylene building.
- February 24, 1952 appraisal report describing an oil burner in the main office, chemical testing equipment used within the laboratory, the presence of an acetylene generator within the oxygen acetylene building, oxygen manifolds, three 100 KVA and three 50 KVA transformers, respectively, and an oil storage house.
- February 12, 1948 lease offering indicating that other potential chemicals may have been related to furnaces (including salt bath furnaces), diesel electric generator and a gas locomotive.
- Incomplete photocopied map detailing creosote planks, oxygen storage building, and gas pumps.
- Undated photographs showing unlabeled tanks, a 5 gal acetone bucket, and pressurized gas tanks.
- Transformers, an oxygen building, and an acetylene building are shown on the incomplete photocopies of a map.

See the following documents available on the CD provided with this response:

- Map, dated June 30, 1951, depicting Naval Industrial Reserve Facility, Isaacson Iron Works Plant No. 2.
- Letter from David T. Young, Real Estate Appraisers to Chief of the Bureau of Yards and Docks, Navy Dept., Washington D.C., dated February 24, 1952, re: appraisal report for Isaacson Iron Works Plant No. 2.
- Letter from Thirteenth Naval District Public Works Department to Manufacturers Assoc. of Washington, dated February 12, 1948, re: lease offer of Isaacson Iron Works Plant No. 2.
- Blueprints, dated March 13, 1943, plot plan depicting Isaacson Iron Works.
- Appraisal Map, dated Feb 1952, depicting Isaacson Iron Works Plant No. 2.
- Photographs of FUDS site; date unknown.

- h. Provide any site drainage descriptions, plans or maps that include information about storm drainage which includes, but is not limited to, above or below surface piping, ditches, catch basins, manholes, and treatment/detention or related structures including outfalls. If available, also include information about connections to sanitary sewer.**

There is limited documentation in the possession and control of the DOD regarding site drainage descriptions, storm drainage, or sanitary sewer

connections at the FUDS. Available documentation includes descriptions of drains on the premises, existence of easements for most conveyances including pipelines and public utilities, and maps that mark various storm drains.

- A June 30, 1951 map depicts the location of drains, fire hydrants, and septic tank.
- A February 24, 1952 appraisal describes individual buildings and water and sewer connections where appropriate, including plumbing in the laboratory to include a 2" line for a fire hose, both high and low pressure lines were tapped to the city main, a sanitary sewer with a 4" cement pipe to main (8") sewer that emptied to a city trunk sewer on E Marginal Way, and a roof downspout connected to the storm sewer. For the oxygen and acetylene building, water supply consisted of 1" line to acetylene generator, with no sewer connections. Regarding the melt shop, available information indicates water was used for fire lines and for cooling an electric furnace transformer in the melt shop; and that a sanitary sewer existed from the wash rooms and office consisting of 6" concrete piping that ran through a concrete septic tank at the west end of the building and emptied into the Duwamish River. The cafeteria had water and sewer connections; the women's locker had hot/cold water, and sewer connections; and the oil storage house had drainage to the sewer.
- The location of the Duwamish River and 9 drains are shown on an incomplete photocopied map. Fourteen storm drains are also shown on incomplete photocopies of another map.
- Undated photographs depict three monitoring well covers.

See the following documents available on the CD provided with this response:

- DERP-FUDS memorandum, dated July 13, 1995, from USACE North Pacific Division to Seattle District USACE.
- Map, dated June 30, 1951, depicting Naval Industrial Reserve Facility, Isaacson Iron Works Plant No. 2.
- Letter from David T. Young, Real Estate Appraisers to Chief of the Bureau of Yards and Docks, Navy Dept., Washington D.C., dated February 24, 1952, re: appraisal report for Isaacson Iron Works Plant No. 2.
- Blueprints, dated March 13, 1943, plot plan depicting Isaacson Iron Works.
- Appraisal Map, dated Feb 1952, depicting Isaacson Iron Works Plant No. 2.
- Photographs of FUDS site; date unknown.

- i. **With respect to past site activities, please provide copies of any stormwater or drainage studies, including data from sampling, conducted**

at the FUDS. Also provide copies of any Stormwater Pollution Prevention or Maintenance Plans or Spill Plans that may have been developed for operations or activities at the FUDS.

There is no documentation in the possession and control of the DOD to indicate that any past site activities involved the conduction of any stormwater or drainage studies, or any data collection from sampling, at the FUDS. There also is no available documentation indicating the existence of any Stormwater Pollution Prevention or Maintenance Plans or Spill Plans that may have been developed for operations or activities at the FUDS.

3. Information About Others

a. Describe any business relationship DOD may have had regarding the FUDS, or operations thereon, with others.

Isaacson Iron Works Plant No. 2 was a Government Owned, Contractor Operated (GOCO) facility from 1941 through 1961. Records suggest that the “period of utilization” by the government ranged from 1942 to 1948, after which time the facility was never declared surplus and was retained but leased to Isaacson until 1961. On March 3, 1961, 12.5 acres and all improvements were sold to Isaacson Iron Works. In 1965, Jorgensen Steel bought the north portion of Isaacson Iron (previously Isaacson Iron Plant No. 2). Details on any business relationship DOD may have had with Linde Air Production Co. are largely unknown; however, Linde is marked next to the oxygen building displayed on the 1952 Isaacson Iron Works Plant No. 2 map. Presumably, either Linde Air Production Co. may have supplied oxygen to the facility, or this company may have been present for an unknown duration on the site.

See the following documents available on the CD provided with this response:

- DERP-FUDS memorandum, dated July 13, 1995, from USACE North Pacific Division to Seattle District USACE.
- FUDS Isaacson Iron Works, Naval Facility, information sheet listing point of contacts for USACE Seattle District and Jorgensen Forge, dated March 9, 1995.
- DERP-FUDS site screening process work sheet, dated March 5, 1992.
- Letter from Thirteenth Naval District Public Works Department to Manufacturers Assoc. of Washington, dated February 12, 1948, re: lease offer of Isaacson Iron Works Plant No. 2.
- Supplemental agreement to Contract NObs-88 between U.S. and Isaacson Iron Works, incomplete copy, dated March 3, 1961, re: sale of U.S.’s interests in the FUDS to Isaacson Iron Works subject to a 10-year security clause.

- Appraisal Map, dated Feb 1952, depicting Isaacson Iron Works Plant No. 2.

- b. Provide the names and last known address of any tenants or lessees, the dates of their tenancy and a brief description of the activities they conducted while operation on the FUDS.**

See our responses to Questions 2.d., and 3.a., above, regarding GOCO operations at the FUDS for the extent of information available regarding any tenants or lessees, dates of their tenancy, and activities they conducted while operating the FUDS.

- c. If not already provided, identify and provide a last known address or phone number for all persons, including current and former employees or agents, other than attorneys, who have knowledge or information about the generation, use, purchase, storage, disposal, placement, or other handling of hazardous materials at, or transportation of hazardous materials to or from, the FUDS.**

DOD is not aware of any persons, including current and former employees or agents, whom have knowledge or information about the generation, use, purchase, storage, disposal, placement, or other handling of hazardous materials at, or transportation of hazardous material to or from, the FUDS. Furthermore, records discovered in this search did not identify the names, or addresses, of any such persons.

4. Compliance with This Request

- a. Describe all sources reviewed or consulted in responding to this request, including, but not limited to:**
- i. name and current job title of all individuals consulted;**
 - ii. location(s) where all documents reviewed are currently kept.**

The sources reviewed or consulted in responding to this request include the following:

USACE Northwestern Division (Omaha, NE):

- DERP-FUDS Program Files;

USACE Kansas City District:

- DERP-FUDS Program Files

USACE Northwestern Division (Portland, OR) (formerly, North Pacific Division):

- DERP-FUDS Program Files

USACE Seattle District:

- Real Estate Division;
- Environmental Management Branch;
- Navigation Branch

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